FIIG A514M

Reprint Date: August 6, 2010

FEDERAL ITEM IDENTIFICATION GUIDE SENSOR, AMBIENT TEMPERATURE ITEM NAME CODE

48909

This Reprint replaces FIIG A514M, dated February 6, 2004



Commander

Defense Logistics Information Service

ATTN: DLIS-K

74 Washington Avenue North, Suite 7

Battle Creek, Michigan 49037-3084

(COMM) (269) 961-5779

(DSN) 661-5779

This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

 $/_{\rm S}/$

Commander

Defense Logistics Information Service

Table of Contents

SECTION I	2
Reply Tables	13
Reference Drawing Groups	17
FIIG Change List	18



SECTION I

MRC	Mode Code	Requirements	
NAME	D	ITEM NAME	
		efinition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM F SUPPLY IS KNOWN. eply Instructions: Enter the Item Name Code applicable to this FIIG. (e.g., AMED48909*)	
	Reply Instruction NAMED48909*)		
AGXW	D	PHYSICAL FORM	
	MOLD OF A SU	RECOGNIZED SHAPE, CONFIGURATION, STRUCTURE, OR BSTANCE, NATURAL OR REFINED, THAT MOST NEARLY TO THE APPEARANCE OF THE ITEM.	

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., $AGXWDABE^*$; $AGXWDABE^*DADQ^*$)

REPLY CODE	<u>REPLY (AE98)</u>
AFK	BALL
ADS	BAR
AAC	BEAD
ADE	CARTRIDGE
AEX	CLOSED
AAF	CONE
AFH	HEADLESS
AFJ	OPEN
AEY	RECTANGULAR
ACL	RING
ABE	ROD
ADY	SPHERE
ADQ	STRA IGHT
AEZ	TUBE

PRMT D PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Code from <u>Appendix A</u> Table 2. (e.g.,PRMTDAGA000*,PRMTDAUA000\$\$DAGA000*,PRMTDAGA000\$DAUA0 00*)

PMWT J PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from <u>Appendix A</u>, Table 2 and the table below, followed by the numeric value. Enter multiple replies in Appendix A, Table 2 sequence.

(e.g.,PMWTJPTA000F0.780*,PMWTJPTA000F0.500\$\$JAGA000R0.780*)

REPLY CODE
E
GRAINS, TROY
R
GRAMS

F OUNCES, TROY

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from <u>Appendix A</u> Table 2 followed by the location in clear text.

(e.g.,PMLČJAUA000TERMINALS*,PMLCJAGA000TERMINALS\$\$JAGA000INT ERNAL SURFACES*,PMLCJAGA000TERMINALS\$JAGA000INTERNAL SURFACES*)

AFGA J OPERATING TEMP RANGE

Definition: THE MINIMUM AND MAXIMUM LIMITS OF TEMPERATURE AT WHICH THE ITEM IS RATED FOR OPERATION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede negative values with an M, and positive values with a P. (e.g., AFGAJCM55.0/P125.0*)

REPLY CODE
C DEG CELSIUS
F DEG FAHRENHEIT

MRC Mode Code Requirements

APCM D ACTUATION TYPE

Definition: INDICATES THE TYPE OF ACTUATION PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g.,

APCMDES*; APCMDES\$DHQ*)

REPLY CODE REPLY (A C82)
ES DIAPHRA GM
HQ DIGITAL TO PNEUMATIC

BJ ELECTROMECHANICAL
HR ELECTROPNEUMATIC

Pneumatic (Use Reply Code AW)

AW PRESSURE BA THERMAL

HS THERMOCOUPLE

BSXS D OPERATION TYPE

Definition: INDICATES THE TYPE OF OPERATION BY WHICH THE ITEM IS CONTROLLED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BSXSDBLB*; BSXSDBLB\$\$DFZH*)

REPLY CODE
FZH
AVERA GING
BLB
DIRECT
FZJ
PROPORTIONA L

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB7.750\$\$JAC8.250*)

Table 1REPLY CODEREPLY (AA05)AINCHESLMILLIMETERS

MRC Mode Code Requirements

Table 2

REPLY CODE
A NOMINA L
B MINIM UM
C MAXIMUM

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA25.4*; ADAVJAB2.400\$\$JAC2.500*)

Table 1

REPLY CODE
A INCHES
L MILLIMETERS

Table 2

REPLY CODE
A NOMINA L
B MINIM UM
C MAXIMUM

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB2.400\$\$JAC2.500*)

Table 1

REPLY CODE
A INCHES
L MILLIMETERS

MRC Mode Code Requirements

Table 2REPLY CODEREPLY (A C20)ANOM INA LBMINIM UMCMAXIMUM

ABKW J OVERALL HEIGHT

*

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB2.400\$\$JAC2.500*)

 Table 1

 REPLY CODE
 REPLY (AA05)

 A
 INCHES

 L
 MILLIMETERS

 Table 2

 REPLY CODE
 REPLY (A C20)

 A
 NOM INA L

 B
 MINIM UM

 C
 MAXIMUM

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*)

 REPLY CODE
 REPLY (A B62)

 B
 AC

 D
 AC/DC

 C
 DC

AMSE J VOLTAGE RATING

MRC Mode Code Requirements

Definition: THE VALUE(S) OF POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMSEJVA12.0*;

AMSEJVB115.0\$\$JVC125.0*)

Table 1

REPLY CODE REPLY (A B63)
K KILOVOLTS
V VOLTS

Table 2

REPLY CODE
A NOMINA L
B MINIM UM
C MAXIMUM

ACZB * J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB300.0\$\$JEC420.0*)

Table 1

REPLY CODE
E HERTZ
K KILOHERTZ
M MEGA HERTZ

Table 2

REPLY CODE
A NOMINA L
B MINIM UM
C MAXIMUM

FAAZ* D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA*; FAAZDA\$\$DB*; FAAZDA\$DB*)

REPLY CODE A SINGLE E SINGLE/THREE C THREE B TWO	

AFRA * A CONTACT QUANTITY

Definition: THE NUMBER OF CONTACTS WHICH PROVIDE ELECTRICAL CONNECTION.

Reply Instructions: Enter the quantity. (e.g., AFRAA2*)

AKSF D CONTACT TYPE

Definition: INDICATES THE TYPE OF CONTACT(S) INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKSFDBK*; AKSFDBK\$\$DBW*)

REPLY CODE	REPLY (AG81)
DH	BANANA
BB	CONNECTOR PLUG
BC	CONNECTOR RECEPTACLE
CM	INTERNAL THREAD
BG	PIN
BJ	QUICK DISCONNECT
BK	SCREW
BL	SNAP TERMINAL
BN	SOLDER
BP	SOLDER LUG
BQ	SOLDER STUD
BS	THREADED STUD
BW	WIRE LEAD

ASSB * A MECHANICAL CONNECTION QUANTITY

Definition: THE NUMBER OF MECHANICAL CONNECTIONS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ASSBA2*)

ASSC * G MECHANICAL CONNECTION SIZE

Definition: DESIGNATES THE THREAD SIZE, DIAMETER, OR THE LIKE, OF THE MECHANICAL CONNECTION.

MRC Mode Code Requirements

Reply Instructions: Enter the applicable reply in clear text. (e.g., ASSCG3/8 IN. DIA; 1/4 IN. DIA*)

FEAT * G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. (e.g., FEATGQUALITY CONTROLLED*)

ZZZK * J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B\$\$JP80205-NAS1103*)

<u>REPLY</u>	REPLY (AN62)
CODE	
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
A	PROFESSIONA L/INDUSTRIA L ASSOCIATION
	SPECIFICATION

MRC Mode Code Requirements

P

PROFESSIONA L/INDUSTRIA L ASSOCIATION STANDARD

ZZZT * J NONDEFINITIVE SPEC/STD DATA

NOTE: If the specification/standard cited in reply to MRC ZZZK is nondefinitive, reply to MRC ZZZT. This reply is the data which is not recorded in Segment C.

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from <u>Appendix A</u>, Table 1, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1\$\$JSTA*; ZZZTJTY1\$JSTA*)

ZZZY* G REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

CRTL* A CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAAKJA*; CRTLAAKJA\$\$ACSGS*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

PRPY * A PROPRIETARY CHARACTERISTICS

NOTE: If Document Availability Code B, D, F, or H, reply to MRC PRPY.

MRC Mode Code Requirements

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGIN ATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAAKJA\$\$ACSGS*)

ELRN * G EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

CLQL* G COLLOQUIAL NAME

Definition: A COMMON USAGE NAME BY WHICH AN ITEM IS KNOWN.

Reply Instructions: Enter the reply in clear text. (e.g., CLQLGWOVEN WIRE CLOTH*)

AGAV G END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

MRC	Mode Code	Requirements	
	Reply Instructions: Enter the applicable reply in clear text.		
	(e.g., AGAVG3930-00-000-0000*;		
	AGAVGFORKLI	FT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)	
CXCY *	G	PART NAME ASSIGNED BY CONTROLLING AGENCY	
		NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT DIMMERCIAL ORGANIZATION CONTROLLING THE DESIGN	
Reply Instructions: Enter the reply in clear text. (e.g. CONTROL BOARD*)		s: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR RD*)	

FIIG A514M INC 48909

Reply Tables

Table 1 - NONDEFINITIVE SPEC/STD DATA	. 14
Table 2 - PRECIOUS MATERIALS	. 16

Table 1 - NONDEFINITIVE SPEC/STD DATA NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
ML	MATERIAL
MH	MESH
ME	METHOD
MD	MODEL

FIIG A514M INC 48909

DEDLY CODE	DEDLY (ADAO)
REPLY CODE	REPLY (AD08)
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH
,, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

Table 2 - PRECIOUS MATERIALS PRECIOUS MATERIALS

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

Reference Drawing Groups

No table of contents entries found.

FIIG Change List

FIIG Change List, Effective August 6, 2010

Added MRCs PRMT, PMWT, and PMLC.

Added Table 2 MA01 PRECIOUS MATERIALS to Appendix A. APPENDIXC